

Title (en)

SYSTEM AND METHOD FOR PLANNING OF PASSIVE ION RADIOTHERAPY TREATMENT

Title (de)

SYSTEM UND VERFAHREN ZUR PLANUNG EINER PASSIVEN IONENSTRAHLENTHERAPIEBEHANDLUNG

Title (fr)

SYSTÈME ET PROCÉDÉ DE PLANIFICATION DE TRAITEMENT PAR RADIOTHÉRAPIE IONIQUE PASSIF

Publication

EP 3669941 B1 20230712 (EN)

Application

EP 18214842 A 20181220

Priority

EP 18214842 A 20181220

Abstract (en)

[origin: EP3669941A1] An ion-based radiotherapy plan for passive delivery of one or more beams (7) uses an optimization problem set up to allow variation in settings of the range modulating device, and/or settings of the aperture element during the delivery of the first beam, so that said plan will include modulation of the fluence of the beam during the delivery of the beam. The optimization problem is set up to allow variation of the settings of an aperture element (11), a range modulating device (9) during delivery of each beam, so that said plan will include modulation in depth of the beam during the delivery of the beam.

IPC 8 full level

A61N 5/10 (2006.01); **G21K 5/04** (2006.01)

CPC (source: EP US)

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Citation (examination)

US 2017281974 A1 20171005 - SILJAMÄKI SAMI P [FI], et al

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